

AFRICA/MIDDLE EAST RENEWABLE SUMMIT 2007

CONFERENCE DAY ONE – 20TH NOVEMBER 2007

08.30 Registration

09.00 Chairman's *Opening Address*

09.15 NREA's Activities in Renewables, Plans & Prospects

- Renewable Energy Strategy in Egypt
- NREA'S Mandate
- Resource Assessment
- Current Activities and Plans in the Field of Wind and Solar Energies
- Capacity Building
- Future Prospects

Eng. Samir M. Hassan, Executive Chairman,
New & Renewable Energy Authority (NREA)
Ministry Of Energy and Electricity, Egypt

09.45 Renewable Energy Future for the Developing World with special reference to Africa/Middle East

- Policy reforms
- The role of the Governments towards developing the renewable energy industry
- Creating enabling market and political environment
- Accessibility

Professor Dieter Holm, Secretary
International Solar Energy Society, South Africa

10.15 How Solar Thermal Power Plants Could Provide Sufficient Energy and Water for MENA and Europe until 2050

Dr Hani El Nokrashy
TREC – GERMANY

10.45 *Morning Refreshments*

11.15 Technology and Environment — Sharp goes greener

Mr. Tomio Isogai, Managing Director
SHARP Middle East

12. 00 Europe and Africa/MENA, Comprehensiveness through Complementarities in Renewable Energies – A German Perspective

- Europe as the world leader in RE technologies, applications, funding, enabling legislations, promotion and utilization
- MENA as the world leader in wind speed, steady sun, land availability, and low cost labour.
- German Feed-in-Law, the way forwards
- Successful applications in the MENA region
- EU plan for procurement of 50% of its electricity consumption from Renewable Energy generated in North Africa by the year 2050
- Proposed North South cooperation

Dr. Peter Goepfrich, Executive Director, CEO

German - Arab Chamber of Industry & Commerce, Egypt

12.30 Status, Potential and Challenges of Promoting Biofuels Production and Marketing in Africa and the Middle East

- Bioethanol, Biodiesel and Biogas
- Leading players in the game
- Key Drivers for Biofuels Industry Development in Africa and Middle East
- Successes and failures so far and why (Africa and the Middle East)
- Challenges, opportunities and future plans
- Comparisons, contrasts and how we can emulate giants in the game (Brazil, USA, EU)

Daniel Liwimbi, CEO
Ethanol Malawi Company, Malawi

13.00 *Networking Lunch*

14.30 Recent developments in South Africa:

- Legislative and policy changes (2004 renewable-energy-policy white paper; 2004 national energy regulator statute; 2006 electricity regulation statute, and 2007 amendments; and envisaged 2007 electricity distribution industry restructuring bill)
- Public-private partnerships (Darling wind farm; national treasury, PPP regulations; state support for voluntary tradable renewable energy-certificates scheme; other state involvement)
- Wind-farm development (statutory permission; generator's power purchase agreement with city, and 'wheeling' agreement with grid operator; grid operator's special-supply agreement with city; statutory functions and powers of cities and grid operator)
- Land-use pitfalls (national environmental-management statute, listed activities requiring authorisation, 2006 environmental-impact assessment regulations, local zoning schemes)

Mr. Gary Moore
BA LLB (Witwatersrand) LLM (London)
Attorney and Director
Hofmeyr Herbstein & Gihwala Law Firm Inc
South Africa

15.00 Experience in promoting utilization of renewable energy resources in Saudi Arabia

- Main Indicators of Saudi Energy Situation
- Assessment of Renewable Energy Resources
- Examples of Solar R&D Projects
- Public awareness of Renewable Resources Utilization
- Future Plans of Renewable Resources Utilization
- Lessons learned

Saleh Alawaji, Ph.D.,
Deputy Minister for Electricity, Ministry of Water & Electricity
Kingdom of Saudi Arabia

15.30 **Panel Discussion**

Concentrating Solar Power plants in Africa/ MENA and Export of Green Electricity to Europe, Energy and CDM Markets through Integrated HVDC Grids

The Moderator decides Panelists.
Moderator – Professor Dr Galal Osman

16.00 *Afternoon Refreshments*

16.30 **Biomass energy markets in EU and Africa – European perspective**

- Political and economical drivers of bioenergy in EU
- European structure of bioenergy market in electricity, heat and transport sectors.
- Potential bioenergy market in Africa from European point of view
- Potential for bioenergy trade between EU and Africa.

Mrs. Malgorzata Peksa – Blanchard, Deputy Secretary General

**European Biomass Industry Association
Renewable Energy House, Belgium**

17.00 **Funding Renewable Energies**

- Grants (multilateral, regional, and bilateral) sources and eligibility
- (EC, Danida, Netherlands, CIDA, Cofas, USAID, etc)
- Technical Assistance (multilateral, regional, and bilateral) sources and eligibility (EC, GTZ, Danida, JICA, UNEP, CIDA, Spain, Italy, USAID, .etc)
- Lines of Credit (multilateral, regional, and bilateral) sources and eligibility (WB, IFC, EIB, JBIC, KfW, USexim, ...etc)
- Public-Private-Partnerships (BOO, BOT, BOOT)
- ESCOs
- Private sector (Tourism, Marine, Traffic, etc.)

Dr. Alaa Ezz, Secretary General, CEO
**Federation of Egyptian Chambers of Commerce
Confederation of Egyptian European Business
Associations, Egypt.**

17.30 *End of Conference Day One*

CONFERENCE DAY TWO – 21ST NOVEMBER 2007

8.30 Registration

9.00 *Chairman's Opening Address*

9.15 **Wind Farm Development and the Booming Wind Industry Markets in Africa/MENA Region**

- Wind Turbine Clusters Technology and High Voltage Grid Integration as future Giant Industries
- Manufacturing Possibilities of components and wind turbines, Market demand and Potential Investments.
- Onshore and Offshore Markets for Wind Energy applications in EU/MENA Region.
- Wind and Solar Hybrid Systems as large Scale Supplier of Renewable Power to MENA countries and Europe, Investments in Transmission Grids and Water Desalination by Renewable
- Electricity Supply in MENA, Possibilities, Strategies and Conditions of Wind Farms Integration, Investment Opportunities.

Professor Dr Galal Osman, Vice President,
World Wind Energy Association/ World Wind Energy Institute

Professor of Renewable Energies, Ministry of Higher Education,
Mansoura University, Egypt

9.45 **Renewable Energy Electricity Generation is Economical Wind Energy in Africa – South Africa**

- Fossil and Nuclear Fuel with Renewable Energy Sources
- Coal, Oil and Gas Supply Chains
- Renewable Energy Supply Chains
- Economic Benefits of Renewable Energy Electricity Generation
- Barriers to implementation of Projects
- Renewables as the Main source of Energy in an African Sustainable Future

Hermann Oelsner, CEO, **Darling Wind Power**
President, **African Wind Energy Association, South Africa**

10.15 **Photovoltaic Conversion: Perspective on Solar Cells Market**

- Necessity of PV Solar Energy Conversion
- Trend of Solar Cell Module Production
- Previous Forecast of PV Market Growth
- Forecast of Solar Cell Module Production and Limitation
- Forecast of PV Market Growth

Prof. Dr. Abdelfattah BARHDADI (ICTP Senior Associate)
Head of PSES Laboratory
Head of the Physics Department
Ecole Normale Supérieure – Morocco

11.00 *Morning Refreshments*

11.30 **Capacity Building for Sustainable Energy Access in North Africa Wind Energy Technologies Integration: a Catalyst for Regional Development**

- Energy Security and the environment: Resource limitations– the push for renewables
- Energy access: A social priority
- Enabling technologies for integrating renewables – a new approach
- Capacity building: Potential for synergies and coordinated approach involving Industry, Education and Science
- The Sahara Wind Project

Khalid Benhamou, Managing Director
Sahara Wind Inc, Morocco

12.00 **Small Wind Generators - The Unsung Heroes of Wind Industry**

Mr. Ravindranath Palavallu, Director
Unitron Energy Systems (P) Ltd – India

12.30 **How government policies can facilitate market development Case of PV in Tanzania**

- Transformation of rural PV in Tanzania
- PV market barriers
- Policy framework
- Institutional arrangement
- Awareness
- Technical
- Financing options
- Private sector capacity
- Addressing barriers
 - Policy support and institutional arrangement
 - Awareness raising
 - Private sector strengthening
 - Financing
 - Lessons and replication

Mohamedrafik Parpia, CEO – **Zara Solar, Tanzania**
Winner Of 2007 Ashden International Award
Presented by former U.S Vice President, Al Gore

13.00 *Networking Lunch*

14.30 **Financing possibilities from KfW group for RE and requirements for a conducive RE-sector.**

- Concessionary Financing
- Special facility for Renewable Energies and Energy Efficiency
- DEG – Financing the Private Sector
- KfW – IPEX Bank
- KfW Carbon Fund

Andreas Holkotte, Director
KfW Group, Cairo - Egypt

15.00 **Powering Sustainable Growth Using Solar**

- Relevance of Growth using Solar Technology
- Solar technological advancements relevant for Africa
- Solar for Poverty Alleviation and Job Creation
- Feasibility of a self-reliant business using solar
- Role of Government in promoting Solar
- Solar Installations in Africa – Case Studies

Mr. Prabish Thomas, CEO
Gesolar, Dubai

15.30 **Panel Discussion**

Solar Water and Solar Air conditioning for Africa/MENA region from Concentrating Solar Power Plants for- tri generation and water desalination- Investments and Market Opportunities

The Moderator decides Panelists.
Moderator - Professor Dr Galal Osman

16.00 *Afternoon Refreshments*

16.30 **Impact of Energy Policies and the Role of Renewable Energy for the State of Kuwait**

- Research activities at Kuwait Institute for Scientific Research
- Energy R & D activities in building and energy technologies dept
- General scenario of energy consumption in Kuwait
- Benefits/ Alterations of 1983 code of practice
- Role of renewable energy in Kuwait

Dr Ahmad Al-Mulla Ali, Associate Research Scientist
Building and Energy Technologies Department
Environment and Urban Development Division
Kuwait Institute for Scientific Research, Kuwait

17.00 **Renewable Hydro and Nuclear Power for Combating Climate Change in Africa**

- Hydro Power in Africa: Main Drivers and Barriers
- Socio-Economic Context and Environmental Concerns
- Finding Sustainable Solution for Hydropower in Africa
- Prospects for Nuclear Energy in Africa
- Extra-Regional and Cross Border Linkages
- The Longer Term Perspective

Eng. Maher Aziz Bedrous
Counsellor for Environmental Studies,
Egyptian Electricity Holding Company, Egypt

17.30 *End of Conference*